

What is claimed is:

- 1 1. A lateral flow test strip assembly for testing urine, the assembly
2 comprising:
3 a support;
4 a contact urinalysis pad coupled to the support, the contact urinalysis pad
5 comprising an absorbent carrier and a reagent composition adapted to
6 detect for one or more substances upon contact;
7 a reagent-free absorbent strip coupled to the support, the absorbent strip being in
8 fluid communication with the contact urinalysis pad, the absorbent strip
9 adapted to receive the urine and to communicate the urine to the contact
10 urinalysis pad.
- 1 2. The assembly of claim 1, further comprising means for preventing the
2 urine from traveling beyond the contact urinalysis pad.
- 1 3. The assembly of claim 2, wherein the preventing means comprises a
2 liquid impervious pad coupled to the support, the liquid impervious pad being disposed
3 adjacent to the contact urinalysis pad and opposite from the absorbent strip.
- 1 4. The assembly of claim 3, wherein the preventing means further comprises
2 a gap between the contact urinalysis pad and the liquid impervious pad.
- 1 5. The assembly of claim 1, wherein the absorbent strip is coupled to the
2 contact urinalysis pad.

1 6. The assembly of claim 5, wherein the absorbent strip overlaps a portion of
2 the contact urinalysis pad.

1 7. The assembly of claim 1, wherein the contact urinalysis pad comprises an
2 adulteration pad.

1 8. The assembly of claim 1, wherein the contact urinalysis pad comprises a
2 bodily substance detection pad.

9 9. A chemical test assembly adapted to test for the presence of multiple
10 substances in a liquid sample, the assembly comprising:

11 a first backing;

12 a first contact detection pad coupled to the first backing, the first contact
13 detection pad including a first absorbent carrier and a first reagent
composition adapted to detect a first substance;

a first absorbent strip coupled to the first backing, the first absorbent strip in
communication with the first contact detection pad;

a second absorbent strip in fluid communication with the first absorbent strip;

a second contact detection pad in communication with the second absorbent
strip; and

a second backing disposed between the second contact detection pad and the
first absorbent strip.

1 10. The assembly of claim 9, further comprising a first liquid impervious pad
2 coupled to the first backing and disposed adjacent to the first contact detection pad
3 opposite to the first absorbent strip.

1 11. The assembly of claim 10, wherein the first liquid impervious pad is
2 spaced apart from the first contact detection pad.

1 12. The assembly of claim 9, further comprising a second liquid impervious
2 pad coupled to the second backing and disposed adjacent to the second contact
3 detection pad opposite to the second absorbent strip.

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1 13. The assembly of claim 12, wherein the second liquid impervious pad is
2 spaced apart from the second contact detection pad.

1 14. The assembly of claim 9, wherein at least a portion of the first contact
2 detection pad and at least a portion of the second contact detection pad are exposed.

1 15. The assembly of claim 9, wherein:
2 the second contact detection pad comprises a second absorbent carrier and a
3 second reagent composition adapted to detect a second substance
4 different from the first substance.

1 16. A chemical testing device comprising:

2 a housing;

3 a contact detection pad including a reagent composition adapted to detect one or

4 more specific substances upon contact; and

5 a reagent-free absorbent strip in communication with the contact detection pad.

1 17. The device of claim 16, wherein the housing includes means for viewing at
2 least a portion of the contact detection pad.

18. The device of claim 16, wherein the housing comprises a cassette.

19. The device of claim 18, wherein the housing comprises an aperture open
2 to at least a portion of the absorbent strip.

20. The device of claim 16, wherein the housing comprises a lid adapted to be
coupled to a vessel.

1 21. The device of claim 20, further comprising means for introducing a liquid
2 sample in the vessel to the absorbent strip.

1 22. The device of claim 20, wherein the lid is removable.

1 23. The device of claim 16, wherein the contact detection pad comprises a
2 contact urinalysis pad.

1 24. The device of claim 16, further comprising a lateral flow immunoassay
2 strip disposed substantially within the housing.

1 25. A lateral flow assembly for detecting a substance in a liquid sample, the
2 assembly comprising:
3 a support;
4 a contact detection pad coupled to the support, the contact detection pad
5 comprising an absorbent carrier and a reagent composition adapted to
6 detect for one or more substances upon contact;
7 a reagent-free absorbent strip coupled to the support, the absorbent strip being in
8 fluid communication with the contact detection pad, the absorbent strip
9 adapted to receive the liquid sample and to communicate the liquid
10 sample to contact detection pad.

1 26. The assembly of claim 25, wherein the contact detection pad comprises a
2 contact urinalysis pad.

1 27. The assembly of claim 26, wherein the contact urinalysis pad comprises a
2 bodily substance detection pad.

1 28. The assembly of claim 26, wherein the contact urinalysis pad comprises
2 an adulteration pad.

29. A method for performing urinalysis, comprising:
receiving the urine with a reagent-free absorbent strip;
providing an urinalysis pad with a reagent composition dispersed therein and
adapted to detect a target substance upon contact;
laterally flowing the urine to the urinalysis pad with the absorbent strip; and
providing a detectable response as a result of detection of the target substance.

30. The method of claim 29, further comprising assaying for an antigen with a
lateral flow immunoassay strip.

31. The method of claim 29, further comprising preventing the urine from
traveling beyond the urinalysis pad.

32. A method for manufacturing a combined drug testing and adulteration
testing device, the method comprising:

providing a housing;

disposing a drug test strip in the housing;

disposing in the housing a reagent-free absorbent strip in communication with a
contact detection pad; and

preventing fluid communication between the drug test strip, on the one hand, and
the absorbent strip and the contact detection pad, on the other hand.

1 33. The method of claim 32, further comprising providing a stop to prevent a
2 liquid sample absorbed in the adulteration pad from traveling beyond the contact
3 detection pad.

1 34. The method of claim 32, wherein providing a housing comprises forming
2 apertures open to the drug test strip and the absorbent strip.

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